Road Inventory Data Dictionary 2017

Route_ID: The primary state numbered route or designated non-numbered route on which this segment lies; when more than one route traverse a segment, the *highest order* (Interstate > US Highway > State Route), *lowest number* route is primary; non-numbered routes are used internally by Planning for pavement data collections. Route_ID is also the unique identifier for the LRS record.

From_Measure: The measured length along the specified *Routes* feature where the *RoadInventory* segment starts

To_Measure: The measured length along the *Routes* feature where the *RoadInventory* segment ends

From_Date: The date the *Routes* or event section became active, or, if not known, the date it was entered into the system; all roads active when this field was implemented were assigned a date 1/1/2004

To_Date: The date the specified *Routes* or events section is retired.

Route_System:
> I = Interstate
> US = US Highway
> SR = State Route
> R = Ramp
> L = Local Road
> M = Miscellaneous
> N = Not a numbered route (Arterial and Collector)
> T = Transit
> B = Bicycle/ Pedestrian

Route_Number: The unique identifier of the route for each route system.

Route_Direction: The direction a route traverses.   NB and EB are primary (inventory) direction routes.   SB and WB are opposing (non-inventory) direction routes.

Rd_Seg_ID: (RoadSegment ID) - The unique identifier of the *base arcs*

St_Name: (Street Name) The name of the street the segment lies on

City
> 1= Abington & 351 = Yarmouth

County
> 1 = Barnstable
> 3 = Berkshire
> 5 = Bristol
> 7 = Dukes
> 9 = Essex
> 11 = Franklin
> 13 = Hampden
> 15 = Hampshire
> 17 = Middlesex
> 19 = Nantucket
> 21 = Norfolk
> 23 = Plymouth
> 25 = Suffolk
> 27 = Worcester

Fm_St_Name: (From Street Name) The cross-street where the street starts when the street starts at a cross-street, otherwise the from end type is used:
> 1 = Cross-street name

2 = Dead end
        3 = Cul-de-sac
        4 = Private property
        5 = Town line
        6 = State line

To_St_Name: (To Street Name) The cross-street where the street ends when the street ends at a cross-street, otherwise the to end type is used:
        1 = Cross-street
        2 = Dead end
        3 = Cul-de-sac
        4 = Private property
        5 = Town line
        6 = State line

Mile_Count: (Mileage Counted)   Describes whether the segments length is counted towards the official statewide road centerline mileage
        1 =   Yes
        0 =   No
        Note - See Facility Type

RPA: Regional Planning Agency
        BRPC =Berkshire Regional Planning Commission
        CCC = Cape Cod Commission
        CMRPC = Central Massachusetts Regional Planning Commission
        FRCOG = Franklin Regional Council of Governments
        MAPC = Metropolitan Area Planning Council
        MRPC = Montachusett Regional Planning Commission
        MVC = Marthas Vineyard Commission
        MVPC = Merrimack Valley Planning Commission
        NMCOG = Northern Middlesex Council of Governments
        NPEDC = Nantucket Planning and Economic Development Commission
        OCPC = Old Colony Planning Council
        PVPC = Pioneer Valley Planning Commission
        SRPEDD = Southeastern Regional Planning and Economic Development District

MPO: Metropolitan Planning Organization
        Berkshire
        Boston Region
        Cape Cod
        Central Massachusetts
        Franklin
        Martha's Vineyard
        Merrimack Valley
        Montachusett
        Nantucket
        Northern Middlesex
        Old Colony
        Pioneer Valley
        Southeastern Massachusetts

Hwy_Dist: MassDOT Highway District
        MinValue: 1
        MaxValue: 6

F_Class: Functional Classification *Note: use urban/rural designation to interpret functional classification*
        0 = Local
        1 = Interstate
        2 = Principal arterial
        3 = Rural minor arterial or urban principal arterial
        5 = Urban minor arterial or rural major collector
        6 = Urban collector or rural minor collector

F_F_Class: Federal Functional Classification

1 = Interstate
2 = Principal Arterial – Other Freeways and Expressways
3 = Principal Arterial – Other
4 = Minor Arterial
5 = Major Collector
6 = Minor Collector
7 = Local

Urban_Type:
1 = Large Urbanized Area –
   Densely settled territory that contains 200,000 people or more
2 = Small Urbanized Area –
   Densely settled territory that contains at least 50,000 people but fewer than 200,000 people
3 = Large Urban Cluster –
   Densely settled territory that contains at least 5000 people but fewer than 50,000 people
4 = Small Urban Cluster –
   Densely settled territory that contains at least 2500 people but fewer than 5000 people
5 = Rural

Urban_Area:
0 = RURAL

Large Urbanized Area
   05167 = Barnstable Town
   09271 = Boston (MA-NH-RI)
   72505 = Providence (RI-MA)
   83926 = Springfield (MA-CT)
   97291 = Worcester (MA-CT)
Small Urbanized Area
   49096 = Leominster-Fitchburg
   61165 = Nashua (NH-MA)
   61786 = New Bedford
   69778 = Pittsfield
Large Urban Cluster
   03790 = Athol
   34975 = Greenfield
   48745 = Lee
   61003 = Nantucket
   63460 = North Adams (MA-VT)
   63568 = North Brookfield
   83156 = South Deerfield
   90757= Vineyard Haven
   91756 = Ware
Small Urban Cluster
   34678 = Great Barrington
   72532 = Provincetown
   84169 = Stafford (CT-MA)

Jurisdictn: Jurisdiction
1 = Massachusetts Department of Transportation
2 = City or Town accepted road
3 = Department of Conservation and Recreation
5 = Massachusetts Port Authority
6 = State Park or Forest
7 = State Institutional
8 = Federal Park or Forest
9 = County Institutional
0 = Unaccepted by city or town
B = State college or university
C = US Air Force
D = US Army Corps of Engineers
E = Federal Institutional
F = Other Federal

G = Federal Bureau of Indian Affairs
H = Private
I = US Army
J = US Navy

Truck_Rte: Truck Route

0 = Not a parkway - not on a designated truck route

1 = Designated truck route under Federal Authority in 23 CFR 658

Available to STAA vehicles (Twin 28' Semi-trailer-trailer and 48' Semi-trailer combinations)

2 = Designated truck route ONLY under State Authority.

Fully available to both types of STAA vehicles described above

3 = Department of Conservation and Recreation Parkway – No trucks allowed

T_Exc_Type: Truck Exclusion Type
- 1 = Open to all vehicles
- 2 = All vehicles over 2.5 tons excluded
- 3 = All vehicles over 3 tons excluded
- 4 = All vehicles over 5 tons excluded
- 5 = All vehicles over 10 tons excluded
- 6 = All vehicles over 2000 pounds excluded
- 7 = All vehicles over 28 feet in length excluded
- 8 = Gross vehicle weight over 18 tons and greater than 2 axles excluded
- 9 = Gross vehicle weight over 30 tons and greater than 4 axles excluded
- 10 = Commercial vehicles over 5 tons carry capacity excluded
- 11 = All vehicles over 20 tons excluded
- 12 = Hazardous Truck Route
- 13 = Cambridge Overnight Exclusions

T_Exc_Time: Truck Exclusion Time
- 1 = None
- 2 = 24 Hours, 7 Days
- 3 = 5AM to 8PM, 7 Days
- 4 = 6AM to 6PM, 7 Days
- 5 = 6AM to 7PM, 7 Days
- 6 = 6AM to 10PM, 7 Days
- 7 = 7AM to 6PM, 7 Days
- 8 = 7AM to 11PM, 7 Days
- 9 = 4PM to 6PM
- 10 = 6PM to 6AM, 7 Days
- 11 = 7PM to 7AM, 7 Days
- 12 = 8PM to 6AM, 7 Days
- 13 = 8PM to 7AM, 7 Days
- 14 = 9PM to 6AM, 7 Days
- 15 = 9PM to 7AM, 7 Days
- 16 = 10PM to 6AM, 7 Days
- 17 = 11PM to 6AM, 7 Days
- 18 = 11PM to 6AM, NB Only, 7 Days
- 19 = 11PM to 7AM, 7 Days
- 20 = 8AM to 930AM and 2PM to 330PM, School Days Only

NHS: National Highway System Status
- 0 = Not on NHS
- 1 = NHS - Interstate
- 2 = NHS - Strategic Defense Highway System (STRAHNET)
- 3 = NHS - STRAHNET Connector
- 4 = NHS - Other - One-way pair
- 5 = NHS - Other - Truck route exclusion
- 6 = NHS - Major Airport
- 7 = NHS - Major Port Facility
- 8 = NHS - Major Amtrak Station
- 9 = NHS - Major Rail/Truck terminal
- 10 = NHS - Major Intercity Bus Terminal
- 11 = NHS - Major Public Transit or Multi-Modal Passenger Terminal

12 = NHS - Major Pipeline Terminal
13 = NHS - Major Ferry Terminal
14 = NHS - Other (not in above categories)
15 = NHS – MAP-21

MHS: Metropolitan Highway System
0 = Not on MHS
1 = MHS

Fd_Aid_Rd: Federal Aid Eligible Roads (National Highway System and Surface Transportation Program)

  0 = Not Eligible
  1 =   Interstate - NHS
  2 =   Other Road - NHS
  3 =   STP Eligible
  4 =   STP Road - C15

Facility

  1 =   Mainline roadway*
  2 =   Roundabout*
  3 =   Tunnel*
  4 =   Doubledeck*
  5 =   Rotary*
  6 =   Causeway*
  7 =   Simple Ramp/ Turning Lane
  8 =   Ramp - NB/EB
  9 =   Ramp - SB/WB
  10 =   Collector - Distributor
  11 = Simple Ramp - Tunnel
  12 = Bicycle/ Pedestrian
  13 = Commercial
  14 = Private Way
  *Road types included in official statewide road centerline mileage

Operation: Street Operation

  1 = One-way traffic
  2 = Two-way traffic

Control: Access Control

  0 = No control
  1 = Full control
  2 = Partial control

Toll_Road:

  0 = No toll charged
  1 = Toll charged in both directions
  2 = Toll charged in one direction only

Rt_Sidewlk: (Right Sidewalk Width) Width of the sidewalk in feet on the right side of the road traveling in the primary (NB/EB) direction of travel

Shldr_Rt_T: (Right Shoulder Type) Type of shoulder on the right side of the road traveling in the primary (NB/EB) direction of travel

  0 = No Shoulder
  1 = Stable - Unruttable compacted subgrade
  2 = Unstable shoulder
  3 = Hardened bituminous mix or penetration
  4 = Combination shoulder

Shldr_Rt_W :   (Right Shoulder Width) Width of shoulder in feet on the right side of the road traveling in the primary (NB/EB) direction of travel

Med_Type: (Median Type) Type of median on divided roadways

  0 = None
  1 = Curbed
  2 = Positive barrier - Unspecified
  3 = Unprotected
  4 = Positive barrier – Flexible
  5 = Positive barrier – Semi-Rigid

6 = Positive barrier - Rigid

Med_Width: (Median Width) Width of median in feet on divided roadways
        MinValue: 1
        MaxValue: 999

Lt_Sidewlk: (Left Sidewalk Width) Width of the sidewalk in feet on the left side of the road traveling in the primary (NB/EB) direction of travel; on divided roadways, this will fall on the opposing direction (see illustration)

Shldr_Lt_T: (Left Shoulder Type) Type of shoulder on the left side of the road traveling in the primary (NB/EB) direction of travel; for divided roadways median shoulders are assumed to be of the same type
        0 = No Shoulder
        1 = Stable - Unruttable compacted subgrade
        2 = Unstable shoulder
        3 = Hardened bituminous mix or penetration
        4 = Combination shoulder

Shldr_Lt_W: (Left Shoulder Width) Width of shoulder in feet on the left side of the road traveling in the primary (NB/EB) direction of travel; for divided roadways median shoulders are assumed to be of the same type

Shldr_UL_T: (UndividedLeftShoulderType) Type of shoulder on the opposing side of an undivided road
        0 = No Shoulder
        1 = Stable - Unruttable compacted subgrade
        2 = Unstable shoulder
        3 = Hardened bituminous mix or penetration
        4 = Combination shoulder

Shldr_UL_W: (UndividedLeftShoulderWidth) Width of shoulder in feet on the opposing side of an undivided road

Surface_Tp: Surface Type
        1 = Unimproved, graded earth, or soil surface road
        2 = Gravel or stone road
        3 = Brick road
        4 = Block road
        5 = Surface-treated road
        6 = Bituminous concrete road
        7 = Portland cement concrete road
        8 = Composite road; flexible over rigid
        9 = Composite road; rigid over flexible or rigid over rigid ("white topping")
        10=Stone dust

Surface_Wd: (Surface Width) Surface width in feet; measurement of traveled way, excluding shoulders/auxiliary lanes

ROW_Width: Right-of-way width in feet

Num_Lanes: (Number Of Travel Lanes) Number of travel lanes (for undivided roadways, number of lanes in both directions of travel, for divided roadways, number of lanes on the given segment only)
        MinValue: 1
        MaxValue: 6

Opp_Lanes: (Opposite Number Of Travel Lanes) Number of lanes in the opposite direction of a divided roadway
        MinValue: 1
        MaxValue: 6

Curb
        0 = None
        1 = Left side only
        2 = Right side only
        3 = Both sides
        4 = Along median only
        5 = All curbs (divided highway)

Terrain
        1 = Level
        2 = Rolling
        3 = Mountainous

Speed_Lim: Speed Limit
        MinValue: 5
        MaxValue: 65

Op_Dir_SL: Opposing Direction Speed Limit
        MinValue: 5
        MaxValue: 65

Struct_Cnd: Structural Condition
> 1 = Good
> 2 = Fair
> 3 = Deficient
> 4 = Intolerable

AADT: Average Annual Daily Traffic

Statn_Num: (AADT Station Number) AADT count station location number; used to reference Traffic Data Collections counting station number

AADT_Deriv: AADT Derivation
> 0 = Not applicable
> 1 = Derived from counts collected on or adjacent to the section during the current year
> 2 = Derived from factoring counts from the previous year count-base AADT that is less than three years old
> 3 = Derived from count data that is three or more years old
> 4 = Derived from an estimate
> 5 = Working code for principal arterial counting program
> 6 = MassDOT Highway Special Count
> 7 = RPA Count
> 8 = Other Count

AADT_Year: Year of ADT collection

Length: The measured length of the *RoadInventory* segment in miles.